SAFETY, STRUCTURES AND FIRE DEPARTMENT
Reaction to Fire

REACTION TO FIRE CLASSIFICATION REPORT No. RA15-0322 ACCORDING TO THE EUROPEAN STANDARD NF EN 13501-1+A1:2013

Provided the Ordinance from the Ministry of the interior, November 21, 2002 modified
Pilot laboratory approved by the Ministry of the Interior (Ordinance of February 5, 1959, modified)
Seule la version française fait foi
Only the French version is legally acceptable

Valid 5 years from December 07th, 2015

Owner:	**MULTIPANEL UK** **Unit 2** **Pike Road Industrial Estate** **Millyard way** **EYTHORNE CT154NL - KENT** **UNITED KINGDOM**
Commercial brand(s):	**ALUPANEL XT FR**
Brief description:	**Composite panel with fire-retarded polyethylene core surfaced with aluminium sheets on both sides** (see detailed description in paragraph 2)
Date of issue:	**December 07th, 2015**

This classification report certifies only the characteristics of the object submitted for testing but does not prejudge the characteristics of similar products. So it does not constitute a product certification in the sense of Articles L 115-27 to L 115-33 and R 115-1 to R 115-3 of the Consumer Code.
If this report is being issued by e-mail and/or on an electronic medium, only the hard copy of the report signed by CSTB shall prevail in the event of a dispute.
The reproduction of this classification report is only authorised in its integral form.
It comprises 5 pages.

1. Introduction

This classification report defines the classification assigned to the above-mentioned product(s) in accordance with the procedures given in the NF EN 13501-1+A1:2013 standard.

2. Product description

Composite panel consisting of a fire-retarded low density polyethylene core, covered on both sides with a thermally bonded precoated aluminium sheet.
Tested systems: riveted on metal substructure and cassette on metal substructure.
Finish system applied on the aluminium sheet: 7 µm thick epoxy primer + 35 µm thick PVDF finish.

Overall nominal thickness: 4 mm.
Nominal thickness of the aluminum sheets: 0.5 mm.
Overall nominal weight per unit area: 7.9 kg/m².
Colours: various.

3. Tests reports and tests results in support of this classification

3.1 Tests reports

Name of laboratory	Name of sponsor	Test identification	Test report No.	Test method
CSTB	**MULTIPANEL UK Unit 2 Pike Road Industrial Estate Millyard way EYTHORNE CT154NL - KENT UNITED KINGDOM**	**ES541140707**	RA15-0322	NF EN ISO 11925-2:2013 NF EN 13823+A1:2015

3.2 Tests results

Test method	Product	Number of tests	Parameters	Results
				Compliance parameters
NF EN ISO 11925-2 30s surface exposure	ALUPANEL XT FR	6	Fs > 150 mm Filter paper	Not reached Not ignited
NF EN ISO 11925-2 30s edge exposure	ALUPANEL XT FR	6	Fs > 150 mm Filter paper	Not reached Not ignited

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters Mean values	Compliance parameters
NF EN 13823+A1	ALUPANEL XT FR Riveted system, without insulating material	3	$FIGRA_{0.2MJ}$(W/s) $FIGRA_{0.4MJ}$(W/s) LFS THR_{600s}(MJ)	**6.6** **6.6** **-** **0.8**	**-** **-** **Not reached** **-**
			SMOGRA(m²/s²) TSP_{600s}(m²)	**0.9** **26.9**	**-** **-**
			Flaming droplets or debris	**-**	**None**
	ALUPANEL XT FR Cassette system, without insulating material	3	$FIGRA_{0.2MJ}$(W/s) $FIGRA_{0.4MJ}$(W/s) LFS THR_{600s}(MJ)	**0.9** **0.9** **-** **0.4**	**-** **-** **Not reached** **-**
			SMOGRA(m²/s²) TSP_{600s}(m²)	**0.0** **12.6**	**-** **-**
			Flaming droplets or debris	**-**	**None**

(-) means: not applicable

3.3 Additional tests

Test method	Product	Number of tests	Parameters	Results	
				Continuous parameters Mean values	Compliance parameters
NF EN 13823+A1	ALUPANEL XT FR Riveted system, with insulating material	1	$FIGRA_{0.2MJ}$(W/s) $FIGRA_{0.4MJ}$(W/s) LFS THR_{600s}(MJ)	**0.0** **0.0** **-** **0.7**	**-** **-** **Not reached** **-**
			SMOGRA(m²/s²) TSP_{600s}(m²)	**0.0** **14.5**	**-** **-**
			Flaming droplets or debris	**-**	**None**
	ALUPANEL XT FR Cassette system, with insulating material	1	$FIGRA_{0.2MJ}$(W/s) $FIGRA_{0.4MJ}$(W/s) LFS THR_{600s}(MJ)	**0.0** **0.0** **-** **0.5**	**-** **-** **Not reached** **-**
			SMOGRA(m²/s²) TSP_{600s}(m²)	**0.0** **12.5**	**-** **-**
			Flaming droplets or debris	**-**	**None**

(-) means: not applicable

4. Classification and direct field of application

4.1 Reference of the classification

This classification has been carried out in accordance with clauses 11.6, 11.9.2 and 11.10.1 of the NF EN 13501-1+A1:2013 standard.

4.2 Classification

Fire behaviour		Smoke production		Flaming droplets or debris
B	**-**	**s1**	**,**	**d0**

Classification: B - s1, d0

4.3 Field of application

This classification is valid for the following product parameters:

- The product described in paragraph 2.
- An overall nominal thickness of 4 mm.
- An overall nominal weight per unit area of 7.9 kg/m².
- A nominal thickness of the aluminium facings of 0.5 mm.
- Various colours.

This classification is valid for the following end use conditions:

- Riveted and cassette systems on metal substructure.
- With or without air gap behind the metal substructure.
- Without insulating material or with any A1 class mineral wool insulating material behind the metal substructure.
- Without substrate or with any A1 or A2-s1,d0 class substrate with a density ≥ 652 kg/m^3.

5. Limitation

The present document does not represent type approval or certification of the product.

Champs-sur-Marne, December 07th, 2015

The Technician Responsible for the test

Olivier BRAULT

The Head of Reaction to Fire Unit

Gildas CREACH

……END OF THE CLASSIFICATION REPORT